

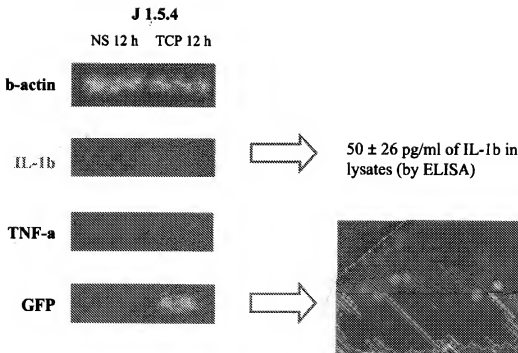
Replacement Sheet

Fig. 22

Expression of IL-1 β and GFP in J.1.5.4 stimulated with tetrachloroplatinate TCP

A. The EC₅₀ values for selected chemicals from the list of model immunotoxicants (concentration causing death of 50% of cells in the population) obtained with MTT assay with macrophages J774A.1 and clone J.1.5.4.

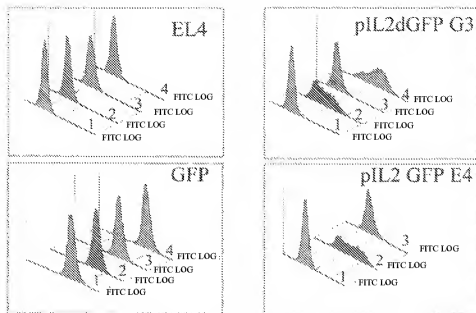
B. J.1.5.4. reporter cells were incubated with these chemicals and observed under fluorescence microscope. In the case of tetrachloroplatinate upregulation of green fluorescence was observed. The expression of GFP and endogenous IL-1 β was confirmed with RT-PCR and with RT-PCR and ELISA, respectively.



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Response of reporter cell lines to model xenobiotics (I)

Two EL-4 derived IL-2 expression reporter cell lines were activated with TPA/ionomycin for 16 hr in the presence or absence of cyclosporin A or Rapamycin. The level of EGFP mediated fluorescence was determined by FACS



- | | |
|------------------------------------|---|
| 1. -control (only medium) | 3. -Ionomycin/PMA + CsA (2ug/mL) |
| 2. -ionomycin (1uM) + PMA(10ng/mL) | 4. -Ionomycin/PMA + Rapamycin (20ng/mL) |

Fig. 23

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Fig. 24

Response of reporter cell lines to model xenobiotics (II)

Two EL-4 derived IL-2 expression reporter cell lines were activated with TPA/ionomycin for 16 hr in the presence or absence of Cyclosporin A or Rapamycin. The level of EGFP mediated fluorescence was determined with Fluorostar plate reader (A) and under fluorescence microscope (B)

